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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Blackburn et al.	
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
PAD	AA	5,387,581	2/7/95	Odawara, et al.	514	165	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes No	
PAD	AB	0 388 914 A1	9/26/90	EPO	C12P	21/08		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PAD	AC	Bajaj et al., "A Monoclonal Antibody to Factor IX That Inhibits the Factor VIII:Ca Potentiation of Factor X Activation", <i>J. Biol. Chem.</i> , Vol. 260, No. 21, pp. 11574-11580 (1985)
	AD	Bajaj et al., "Antibody-Probed Conformational Transitions in the Protease Domain of Human Factor IX Upon Calcium Binding and Zymogen Activation: Putative High-Affinity Ca ²⁺ -Binding Site in the Protease Domain", <i>Proc. Natl. Acad. Sci., USA</i> , Vol. 89, pp. 152-156 (1992)
	AE	Cheung et al., "Localization of a Calcium-Dependent Epitope to the Amino Terminal Region of the GLA Domain of Human Factor IX", <i>Thrombosis Research</i> , Vol. 81, No. 1, pp. 65-73 (1996)
	AF	Church et al., "An Inhibitory Monoclonal Antibody to Factor X that Blocks Prothombin Activation but not Prothrombinase Enzyme Assembly", <i>Blood</i> , Vol. 72, No. 6 (December), pp. 1911-1921 (1988)
	AG	Donath et al., "Kinetics of Factor VIII Light-Chain Cleavage by Thrombin and Factor Xa", <i>Eur. J. Biochem.</i> , Vol. 240, pp. 365-372 (1996)
	AH	Frazier et al., "Mapping of Monoclonal Antibodies to Human Factor IX", <i>Blood</i> , Vol. 74, No. 3 pp. 971-977 (1989)
	AI	Fulcher et al., "Localization of Human Factor FVIII Inhibitor Epitopes to Two Polypeptide Fragments", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 82, pp. 7728-7732 (1985)
	AJ	Healey et al., "Residues 484-508 Contain a Major Determinant of the Inhibitory Epitope in the A2 Domain of Human Factor VIII", <i>J. Biol. Chem.</i> , Vol. 270, No. 24, pp. 14505-14509 (1995)
	AK	Hoffman et al., "Factors IXa and Xa Play Distinct Roles in Tissue Factor-Dependent Initiation of Coagulation", <i>Blood</i> , Vol. 86, No. 5, pp. 1794-1801 (1995)
	AL	L. Hoyer and D. Scandella, "Factor VIII Inhibitors: Structure and Function in Autoantibody and Hemophilia A Patients", <i>Seminars in Hematology</i> , Vol. 31, No. 2, Suppl. 4, pp. 1-5 (1994)
	AM	Jenny et al., "Immunochemical Techniques for Studying Coagulation Proteins", <i>Methods in Enzymology</i> , Vol. 222, pp. 400-416 (1993)
	AN	Larson et al., "Structural Integrity of the γ -Carboxyglutamic Acid Domain of Human Blood Coagulation Factor IXa is Required for Its Binding to Cofactor VIIIa", <i>J. Biol. Chem.</i> , Vol. 271, No. 7, pp. 3869-3876 (1996)

EXAMINER

PATRICIA A. DURN

DATE CONSIDERED

4/4/03

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PAD	AO	Leyte et al., "Inhibition of Human Coagulation Factor VIII by Monoclonal Antibodies", <i>J. Biochem.</i> , Vol. 263, pp. 187-194 (1989)
	AP	Lollar et al., "Inhibition of Human Factor VIIIa by Anti-A2 Subunit Antibodies", <i>J. Clin. Invest.</i> , Vol. 93, pp. 2497-2504 (1994)
	AQ	J. Loscalzo and A. Schafer, "Factor VIII and Other Coagulation Factor Inhibitors", <i>Thrombosis and Hemorrhage</i> , Chapter 37, pp. 729-747 (1994)
	AR	Lubin et al., "Elimination of a Major Inhibitor Epitope in Factor VIII", <i>J. Biol. Chem.</i> , Vol. 269, No. 12, pp. 8639-8641 (1994)
	AS	Quellette, et al., "Neutralization of Factor X Activity by Factor X-Specific Monoclonal Antibodies", <i>Blood Coagulation and Fibrinolysis</i> , Vol. 3, pp. 563-574 (1992)
	AT	Saenko et al., "Slowed Release of Thrombin-Cleaved Factor VIII from von Willebrand Factor by a Monoclonal and a Human Antibody Is a Novel Mechanism for Factor VIII Inhibition", <i>J. Biol. Chem.</i> , Vol. 271, No. 44, pp. 27424-27431 (1996)
	AU	D. Scandella, "Human Antibodies Which Inactivate Factor VIII: Their Epitope Specificity and Biochemical and Functional Characteristics", <i>International Journal of Pediatric Hematology/Oncology</i> , Vol. 1, pp. 437-447 (1994)
	AV	D. Scandella, "Human Anti-Factor VIII Antibodies: Epitope Localization and Inhibitory Function", <i>Vox Sanguinis</i> , Vol. 70 (suppl 1), pp. 9-14 (1996)
	AW	Sinha et al., "Functional Characterization of Human Blood Coagulation Factor XIa Using Hybridoma Antibodies", <i>J. of Biol. Chem.</i> , Vol. 260, No. 19, pp. 10714-10719 (1985)
	AX	Schnogen et al., "Acquired Factor VIII Inhibitors in Nonhemophilic Patients", <i>Ann Hematol.</i> , Vol. 74, pp. 89-93 (1997)
	AY	Sugahara et al., "Isolation and Characterization of Canine Factor IX", <i>Thrombosis and Haemostasis</i> , Vol. 75(3), pp. 450-455 (1966)
✓	AZ	Tiarks et al., "Factor VIII Epitopes Recognized with Inhibitory Monoclonal Antibodies", <i>Acta Haematol.</i> , Vol. 83, pp. 69-75 (1990)
EXAMINER		DATE CONSIDERED
PATRICIA A DUFFY		4/4/03

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PAD	BA	Abstracts, "Thrombosis and Haemostasis", <i>J. International Society on Thrombosis and Haemostasis</i> , Vol. 69(6), p. 1239, Abstract 2485 (1993)
	BB	Bessos et al., "The Characterization of a Panel of Monoclonal Antibodies to Human Coagulation Factor IX", <i>Thrombosis Research</i> , Vol. 40, pp. 863-867 (1985)
	BC	Biedmond et al., "Complete Inhibition of Endotoxin-Induced Coagulation Activation in Chimpanzees With a Monoclonal Fab Fragment Against Factor VII/VIIa", <i>Thrombosis and Haemostasis</i> , Vol. 73, No. 1, pp. 223-230 (1995)
	BD	F. Desposito and Y. Arkel, "Inhibitors of Coagulation in Children", <i>Critical Reviews in Oncology/Hematology</i> , Vol. 7, No. 1, pp. 53-69 (1987)
	BE	Griffin et al., "The Production and Characterisation of a Panel of Ten Murine Monoclonal Antibodies to Human Procoagulant Factor VIII", <i>Thrombosis and Haemostasis</i> , Vol. 55 (1), pp. 40-46 (1986)
	BF	S. Morrison, "In Vitro Antibodies: Strategies for Production and Application", <i>Annu. Rev. Immunol.</i> , Vol. 10, pp. 239-65 (1992)
	BG	Warrier et al., "Safety of High Doses of a Monoclonal Antibody-Purified Factor IX Concentrate", <i>American Journal of Hematology</i> , Vol. 49, pp. 92-94 (1995)
	BH	Lenting et al., "A Novel Antithrombotic Strategy Based on Inhibitors of Factor VIII-Factor IX Complex Assembly", <i>Thrombosis and Hemostasis</i> , June Supplement, p. 689 (1997)
	BI	Lenting et al., "The Sequence Glu ¹⁸¹¹ -Lys ¹⁸¹⁸ of Human Blood Coagulation Factor VIII Comprises a Binding Site for Activated Factor IX", <i>The Journal of Biological Chemistry</i> , Vol. 271, No. 4, pp. 1935-1940 (1996)
	BJ	Lenting et al., "Identification of a Binding Site for Blood Coagulation Factor IXa on the Light Chain of Human Factor VIII", <i>The Journal of Biological Chemistry</i> , Vol. 269, No. 10, pp. 7150-7155 (1994)
	BK	L. Stryer, <i>Biochemistry</i> , W.H. Freeman and Company, San Francisco, 1981, pp. 512-513
↓	BL	Kasai et al., "Molecular Cloning of Murine Monoclonal Anti-idiotypic Fab", <i>Journal of Immunological Methods</i> , Vol. 155, pp. 77-89 (1992)

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PAD	BM	Fang et al., "Human Rheumatoid actors with Restrictive Specificity for Rabbit Immunoglobulin G: Auto- and Multi-reactivity, Diverse ... V \wedge IIIb", <i>J. Exp. Med.</i> , Vol. 179, pp. 1445-1456 (1994)
	BN	Silberstein et al., "Relationship of Variable Region Genes Expressed by a Human B Cell Autoantibodies", <i>J. Exp. Med.</i> , Vol. 169, pp. 1631-1643 (1989)
	BO	Pascual, et al., "The Complete Nucleotide Sequences of the Heavy Chain Regions ... Rheumatoid ; Arthritis", <i>J. Clin. Invest.</i> , Vol. 86, pp. 1320-1328 (1990)
	BP	Roark, et al., "Breakdown of B Cell Tolerance in a Mouse Model of Systemic Lupus Erythematosus", <i>J. Exp. Med.</i> , Vol. 181, pp. 1157-1167 (1995)
	BQ	S. Stark and A. Caton, "Antibodies That Are Specific for a Single Amino Acid Interchange in a Protein Epitope Use Structurally Distinct Variable Regions", <i>J. Exp. Med.</i> , Vol. 174, pp. 613-624 (1991)
	BR	Minnema et al., "Enhancement of Rabbit Jugular Vein Thrombolysis by Neutralization of Factor XI", <i>J. Clin. Invest.</i> , Vol. 101, pp. 10-14 (1998)
	BS	C. Granger, "Heparin Management in Acute Myocardial Infarction (AMI)", <i>Aust NZ J Med</i> , Vol. 28, pp. 541-547 (1998)
	BT	Watkins et al., "Determinants of Rebound Thrombin Activity After Cessation of Heparin in Patients Undergoing Coronary Interventions", <i>Catheterization and Cardiovascular Diagnosis</i> , Vol. 44, pp. 257-264 (1998)
	BU	Cannon et al., "TNK-Tissue Plasminogen Activator Compared With Front-Loaded Alteplase in Acute Myocardial Infarction", <i>Circulation</i> , Vol. 98, No. 25, pp. 2805-14 (1998)
	BV	K. Tachias and E. Madison, "Variants of Tissue-type Plasminogen Activator That Display Extraordinary ... Plasminogen Activator Inhibitor Type 1", <i>The Journal of Biological Chemistry</i> , Vol 272, No. 23, pp. 14580-14585 (1997)
✓	BW	Fujise et al., "A Tissue Plasminogen Activator/P-Selectin Fusion Protein Is an Effective Thrombolytic Agent", <i>Circulation</i> , Vol. 95, pp. 715-722 (1997)

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PAD	BX	Van de Werf, et al., Safety Assessment of Single-bolus Administration of TNK Tissue-plasminogen ... The Assent-1 trial", Clinical Investigation, <i>American Heart Journal</i> , Vol. 137, No. 5, pp. 786-791 (1999)
	BY	Coombs et al., "Directing Sequence-specific Proteolysis to New Targets", <i>The Journal of Biological Chemistry</i> , Vol. 273, No. 8, pp. 4323-4828 (1998)
	BZ	Granger et al., "Thrombin Generation, Inhibition and Clinical Outcomes in Patients Results From the GUSTO-I Trial", <i>JACC</i> , Vol. 31, No. 3, pp. 597-505 (1998)
	CA	Granger, et al., "Rebound Increase in Thrombin Generation and Activity After Cessation of Intravenous Heparin Coronary Syndromes", <i>Circulation</i> , Vol. 91, pp. 1929-1935 (1995)
	CB	Bouma et al., "Factor XI and Protection of the Fibrin Clot Against Lysis - A Role for the Intrinsic Pathway of Coagulation in Fibrinolysis", <i>Thromb. Haemost.</i> , Vol. 80, pp. 24-27 (1998)
	CC	Bovill et al., "Hemorrhagic Events during Therapy with Recombinant Tissue-Type Plasminogen Activator, Heparin, and Aspirin Myocardial Infarction", <i>Ann. Intern. Med.</i> , Vol. 115(4), pp. 256-265 (1991)
	CD	Becker et al., "Molecular Basis for the Resistance of Fibrin-bound Thrombin to Inactivation By Heparin/Serpin Complexes", In: <i>Chemistry and Biology of Serpins</i> , eds., Chuch et al., Plenum Press, New York, pp. 55-66 (1997)
	CE	Neuhaus et al., "Improved Thrombolysis in Acute Myocardial ... of Alteplase: Results of the rt-PA-APSAC Patency Study (TAPS)", <i>JACC</i> , Vol. 19, No. 5, pp. 885-891 (1992)
	CF	Rao et al., "Thrombolysis in Myocardial Infarction ... With Recombinant Tissue Plasminogen Activator and Streptokinase", <i>JACC</i> , Vol. 11, No. 1, pp. 1-11 (1988)
↓	CG	E. Topol, "The Future of Antithrombotic and Antiplatelet Therapy for Ischemic Heart Disease", <i>American Heart Journal</i> , Vol. 135, pp. S66-S68 (1998)

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